

**CAPACITIVE RELAY TAKEOFF  
SWIMMING PLATFORM SENSOR SYSTEM**

**ABSTRACT OF THE DISCLOSURE**

5           A capacitive relay takeoff swimming platform sensor  
system including multiple stations, timing devices and  
capacitive sensor devices where the presence or departure of  
a second swimmer on a relay takeoff swimming platform is  
sensed by the change in a capacitive field above a sensing mat  
10 and compared to the arrival of a first swimmer at a touchpad  
sensor.